

APPENDIX C
LIST OF ABBREVIATIONS

2oo3	Two Out of Three
AC	Alternating Current
ANSI	American National Standards Institute
C4ISR	Command, Control, Communication, Computer, Intelligence, Surveillance and Reconnaissance
CAD	Computer-Aided Drafting
CBRNE	Chemical, Biological, Radiological, Nuclear and Explosive
CJCSI	Chairman of the Joint Chiefs of Staff Instruction
CND	Computer Network Defense
COAX	Coaxial
DC	Direct Current
DCS	Distributed Control System
DDC	Direct Digital Control
DOD	Department of Defense
ECM	Electronic Counter Measures
EMC	Electromagnetic Compatibility
EMI	Electromagnetic Interference
EMP	Electromagnetic Pulse
EN	European Norm
ESD	Electrostatic Discharge
FAT	Factory Acceptance Test
FOUO	For Official Use Only
FPT	Functional Performance Testing

GHz	Gigahertz
GUI	Graphical User Interface
HEMP	High Altitude Electromagnetic Pulse
HFE	Human Factors Engineering
HMI	Human Machine Interface
HVAC	Heating, Ventilation and Air Conditioning
I/O	Input/Output
I/P	Current to Pneumatic Signal Converter
IA	Information Assurance
IEC	International Electrotechnical Commission
IEEE	Institute of Electrical and Electronics Engineers
IP	Internet Protocol
ISA	Instrumentation, Systems and Automation Society
Kbps	Thousand bits per second
LAN	Local Area Network
LED	Light Emitting Diode
M/E	Mechanical/Electrical
Mbps	Million bits per second
M/C	Multi-conductor
MDT	Mean Down Time
MilCon	Military Construction
MilSpec	Military Specification
MTBF	Mean Time Between Failures
MTBM	Mean Time Between Maintenance
MTTM	Mean Time to Maintain
MTTR	Mean Time to Repair

NEMA	National Electrical Manufacturer's Association
NFPA	National Fire Protection Association
NI	Network Interface
NIST	National Institute of Standards and Technology
O&M	Operation and Maintenance
OIT	Operator Interface Terminal
P	Proportional
P&ID	Process and Instrumentation Drawing
PC	Personal Computer
PFD	Probability of Failure on Demand
PFPH	Probability of Failure Per Hour
PI	Proportional – Integral
PID	Proportional-Integral-Derivative
PLC	Programmable Logic Controller
PM	Preventive Maintenance
PREP	Power Reliability Enhancement Program
R/A	Reliability/Availability
RAM	Reliability, Availability and Maintainability
RBD	Reliability Block Diagram
RCM	Reliability Centered Maintenance
RF	Radio Frequency
RFI	Radio Frequency Interference
RGB	Red Green Blue
RPM	Revolutions per Minute
RTD	Resistance Temperature Detector

TM 5-601

RTU	Remote Terminal Unit
SCADA	Supervisory Control And Data Acquisition
SIL	Safety Integrity Level
SMDS	Software Management and Documentation System
STP	Shielded Twisted Pair
TM	Technical Manual
TVSS	Transient Voltage Surge Suppression
UPS	Uninterruptible Power Supply
UTP	Unshielded Twisted Pair
VAC	Volts Alternating Current
VDC	Volts Direct Current
VFD	Variable Frequency Drive
VPC	Volts per Cell
WAN	Wide Area Network